

# STAFFORD COUNTY SCHOOL BOARD

## Agenda Consideration

**TOPIC:** Career and Technical Education  
Programs Review

**ITEM NO:** 10C

**PREPARED BY:** Andrea Bengier  
Assistant Superintendent for  
Instruction and Technology

**MEETING:** February 28, 2006  
**ACTION DATE:** N/A

Brenda D. Long  
Director of Career and  
Technical Education

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**ACTION REQUESTED BY THE SUPERINTENDENT:** That the School Board receives for information a report on Career and Technical Education programs in Stafford County Public Schools.

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**KEY POINTS:**

1. Career and Technical Education programs are offered at all high schools. All high schools do not offer the same programs.
2. Middle School Career and Technical Education programs include Family and Consumer Sciences, Technology Education, Keyboarding, and Computer Studies.
3. The attached information includes a report from surrounding school divisions on the CTE course offerings.

**SCHOOL BOARD GOAL:**

*Goal 1:* Provide educational excellence through instruction that establishes high expectations for *all* students yet recognizes the unique needs of each learner.

**FUNDING SOURCE:** N/A

**AUTHORIZATION REFERENCE:** School Board Request

## Career and Technical Education Program Review

Attached are reports on Career and Technical Education programs in Stafford County Public Schools, as well as, surrounding school divisions. The program offerings are available either through a comprehensive high school or through a Career and Technical Education Center. This information is preliminary and is not all encompassing.

Attachment A, Stafford County Public Schools Career and Technical Education Course Enrollment, provides enrollment for grades 9-12 for school year 2005-2006. These figures include enrollment for the first and second semesters.

Attachment B, CTE Travel Student Enrollment Allocations, indicates the number of students which may enroll in courses taught at high schools other than their base schools. Students have the opportunity to travel to other schools for courses that are multi-period classes. Students do not travel for a one-period class. Students interested in the Licensed Practical Nursing program may travel to Spotsylvania Career and Technical Center for enrollment. At this time, there are no enrollment allocations per school for this program.

Attachment C, Career and Technical Education Program Offerings in Surrounding School Divisions, is a summary of CTE offerings either at a local Career and Technical Education Center or at the comprehensive high school.

Each Stafford County high school offers Business and Information Technology, Family and Consumer Sciences, Marketing Education, Health and Medical Sciences, and Technology Education programs.

**STAFFORD COUNTY PUBLIC SCHOOLS  
CAREER AND TECHNICAL EDUCATION COURSE ENROLLMENT  
FY 2005-2006  
Grades 9 - 12**

BUSINESS	3569
AGRICULTURE *	37
MARKETING	977
FAMILY AND CONSUMER SCIENCES	1027
HEALTH AND MEDICAL SCIENCES	421
TECHNOLOGY EDUCATION	1150
TRADE AND INDUSTRIAL	1190
TEACHER CADET *	44
<b>TOTAL HIGH SCHOOL CTE COURSE ENROLLMENT:</b>	<b>8415</b>

<b>TOTAL MIDDLE SCHOOL ENROLLMENT</b>	<b>5415</b>
(Middle school enrollment includes exploratory courses)	

<b>TOTAL CTE ENROLLMENT</b>	<b>13,830</b>
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*\*These are new programs in the early building and recruitment stages.*

**DRAFT**

Stafford County Public Schools  
**CTE TRAVEL STUDENT ENROLLMENT ALLOCATIONS**  
**2006-2007**

Host School	Course	Enrollment	Host School	Travel Schools				
				BPHS	CFHS	NSHS	SHS	MVHS
BPHS	Early Childhood Education	20	14				6	
	Culinary Arts I, II	20	14		6			
	CISCO I, II	24	17				7	
	CISCO III, IV	24	14		5		5	
	Health Assistant	24	14		5		5	
CFHS	Firefighting	20	8	3		3	3	3
	EMT	20	8	3		3	3	3
NSHS	Carpentry	20	12		4			4
	Auto Technology I, II, III	20	14					6
	Horticulture	20	8	4			4	4
	Auto Collision	20	8	3	3		3	3
	Nursing Assistant	20	8	3	3		3	3
	Early Childhood Education	20	12		4			4
	Graphic Imaging Technology	20	8	3	3		3	3
	CISCO I, II	24	14		5			5
	CISCO III, IV	24	16					8
SHS	Auto Technology I, II, III	20	14		6			
	Cosmetology I, II	20	12	4	4			
	Culinary Arts I, II	18	18					
	Carpentry	20	14	6				
	Electricity	20	8	3	3	3		3
	Masonry	20	8	3	3	3		3
MVHS	Cosmetology I, II	20	12		4	4		
	Culinary Arts I, II	18	12			6		
	Home Health Aide	20	8		4	4	4	
Spotsylvania Tech Center	Licensed Practical Nursing		(No school allocation limit in place at this time)					

## **Career and Technical Education Program Offerings in Surrounding School Divisions**

**Fairfax County** has adopted an Academy Approach. Advanced technical and specialized elective courses are available at Academies located at Chantilly, Edison, Fairfax, Marshall, and West Potomac High Schools for students interested in pursuing careers in International Studies and Business; Engineering and Scientific Technology; Health and Human Services; or Communications and the Arts. Enrollment in the Academy elective course offerings provides juniors and seniors with career and academic preparation for future learning in college and career fields. Students enrolling in the Academy elective courses are provided with opportunities to participate in shadowing, mentoring, and/or internships with local businesses. Transportation may be provided to Academy locations. Students attend class on a staggered schedule based on busing time for 2 period blocks each day.

**Loudoun** has a CTE Center at Monroe Technology Center. Students attend the center every other day on an 8 period A/B schedule for three credits. Monroe is a 77,000 square foot building and currently serves 439 students. They are proposing a new center that will be 190,000 square feet and serve 1000 students. The high schools offer Agriculture, Business and Information Technology, Family and Consumer Sciences, Technology Education, and Marketing Education, Health and Medical Sciences.

**Stafford** does not have a CTE Center but have located many of the trades programs at limited sites. Many of the programs are at Stafford H.S. and others were added as new schools were built. Attached is chart showing the program offerings by schools. Students are transported to and from these programs by bus. Stafford students attend Spotsylvania CTE Center for Practical Nursing. Each high school offers Business and Information Technology, Family and Consumer Sciences, Technology Education, Marketing Education, and Health and Medical Sciences.

**Spotsylvania** has a Career and Technical Center. Students are selected through an application process and many first year programs have to turn students away due to lack of space. The center consists of an old and a new portion of the building. The old section is approximately 55,000 square feet and the new section is 76,000 square feet for a total of 131,000 square feet. Having walked this building several times, classroom space here is more than adequate in terms of program offerings and square footage allowed. They currently serve 520 students on three block schedules with morning and afternoon classes. Students drive or take school bus transportation to and from their base school. Students are 11<sup>th</sup> and 12<sup>th</sup> graders.

**Virginia Beach** has two CTE Centers. The older traditional center has a capacity for 900 students and seats are generally full. This center houses most of the traditional trades. The new Advanced Technology Center was built to house newer high demand, high technology careers of the computer age. The building is shared with the community college system and houses college classes for college credit. Emphasis in this building includes Information Technology Training, High Tech Manufacturing and Engineering, Telecommunications, Cabling and Satellite Technology. Students are transported to and from their base school by bus and personal car. Students are admitted through an application process. The high schools offer Business and Information Technology, Family and Consumer Sciences, Technology Education, and Marketing Education, Health and Medical Sciences.

**Chesterfield** has a Career and Technology Center called Chesterfield Technical Center where they offer 3 credit block elective courses in occupational areas. Students are transported to and from nine county high schools to take classes for three block periods on an A/B schedule. The facility capacity is 900 with most seats full and others with a waiting list. Building Trades numbers are low. Students are admitted through an application process. They are currently getting ready to open an addition to the center. The high schools offer Business and Information Technology, Family and Consumer Sciences, Technology Education, and Marketing Education, Health and Medical Sciences.

**Henrico** has two Career and Technical Education Centers, one at Hermitage Technical Center and a second one at Highland Springs where they offer 3-credit block elective courses in occupational areas. Students are transported to and from nine county high schools to take classes at the center with morning and afternoon sessions. Each facility's capacity is approximately 400 students with seats generally full and students turned away for popular programs such as Culinary Arts. Students are admitted through an application process and may require references and aptitudes as part of this process. The high schools offer Business and Information Technology, Family and Consumer Sciences, Technology Education, and Marketing Education, Health and Medical Sciences.

**Prince William County** does not have a Career and Technical Education Center but has comprehensive high schools, much like Stafford. Specialization courses are offered at different schools and students transfer to those schools of choice for the entire year. They do not offer all courses at all schools. The high schools offer Business and Information Technology, Family and Consumer Sciences, Technology Education, and Marketing Education, Health and Medical Sciences.